

Material: UNS J91249

Standard Specification for Austenitic Manganese Steel Casting

Group: Ferrous Austenitic Manganese Steel Alloy

Sub Group: UNS J91249 Austenitic Manganese Steel Casting

Application: Intended for Valve, Pump, General Engineering, Automotive and Other Industries

Grade Belongs to the Industry: Casting

Chemical Composition			Heat Treatment
Carbon	C %	0.700 - 1.300	Annealing or Normalizing or Hardening + Tempering
Silicon	Si %	1.000 max.	
Manganese	Mn %	11.500 - 14.000	
Phosphorus	P %	0.070 max.	
Molybdenum	Mo %	0.900 - 1.200	
Iron	Fe %	Balance	
-	-	-	Mechanical Properties Tensile Strength in Mpa - Yield Strength in Mpa - Elongation in % - Reduction of Area in % - Hardness in BHN - Impact in Joule -
-	-	-	
-	-	-	
-	-	-	
-	-	-	
-	-	-	
-	-	-	
-	-	-	
-	-	-	
-	-	-	

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
T 100 MoMn 130	STAS	Romania	Casting
A128 Grade E-1	ASTM	USA	Casting
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-

Disclaimer: All information displayed in our data sheets are for reference purpose only and are sole property of their respective owners. Information and or material are used for educational purposes only. Data at actual may vary at actual and case to case basis. ICAST Alloys LLP does not guarantee validity of these parameters. Warranties and liabilities are exclusive to our terms and conditions of business.

Customer Care: +91-99090 45075 Email: info@icastllp.com